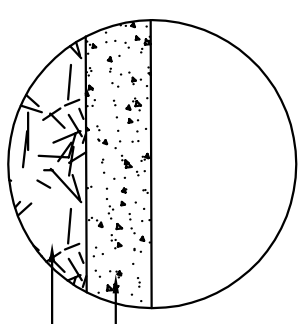


1. **GENERAL NOTES:**
 1. CONTRACTOR TO CONDUCT CONSTRUCTION OPERATIONS AS TO NOT IMPAIR THE OPERATIONS OF THE OWNER'S EXISTING FACILITIES
 2. CONTRACTOR SHALL TAKE MEASURES NECESSARY TO PREVENT DAMAGE TO EXISTING FACILITIES. THE CONSTRUCTION OF CONNECTING TO OR MODIFICATION TO EXISTING FACILITIES, EXISTING FACILITIES THAT ARE TO BE ABANDONED OR REMOVED IN CONNECTION WITH THE CONSTRUCTION SHALL STAY IN SERVICE UNTIL NEW FACILITIES ARE COMPLETED AND APPROVED BY THE OWNER.
 3. CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE OWNER TO ENSURE AND MAINTAIN SAFE ACCESS TO THE EXISTING FACILITIES WITHOUT INTERRUPTION.
 4. CONTRACTOR SHALL PROTECT TREES, SHRUBS, LAWNS, FENCING AND OTHER EXISTING FEATURES REFER TO PROJECT SPECIFICATIONS FOR LANDSCAPING AND PLANTING INSTALLATION AND RESTORATION GUIDELINES.
 5. REPLACE ALL PLANTINGS/TREES THAT DIE OR SHOW EVIDENCE OF DYING DURING THE PLANT ESTABLISHMENT PERIOD AT THE EARLIEST APPROPRIATE PLANTING TIME, AFTER THIS PERIOD, CONTRACTOR SHALL RE-PLANT ANY PLANTINGS/TREES OR TRANSPLANTED EXISTING PLANTINGS/TREES SHALL HAVE A 1 YEAR WARRANTY AT THE DISCRETION OF THE VA CONTRACTING OFFICER.
 7. REPLACE EXISTING PAVEMENT SECTIONS, LANDSCAPING AND GRASS AREAS IN-KIND, REFER TO MINIMUM PAVEMENT SECTIONS BELOW.
 8. LANDSCAPE RESTORATION INCLUDES BUT IS NOT LIMITED TO: TREES, SHRUBS, GRASS, MULCH, SIGNAGE, ETC., WALLS, FENCES, BELIECHES AND FENCES.
 9. NEW CURB AND GUTTER TO MATCH EXISTING, CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AT THE TIME OF CONSTRUCTION AND RECORD THE EXISTING CONDITIONS.
 10. EXISTING SURFACE FEATURES ARE BASED ON CONDITIONS FOUND FROM VARIOUS SOURCES.
 11. REPLACE OR SALVAGE EXISTING FENCES THAT ARE TEMPORARILY REMOVED AS PART OF CONSTRUCTION IN-KIND.

TREE PROTECTION GUIDELINES

THE CONTRACTOR SHALL FOLLOW THE TREE PROTECTION GUIDELINES WHEN CUTTING ROOTS, IF REQUIRED:

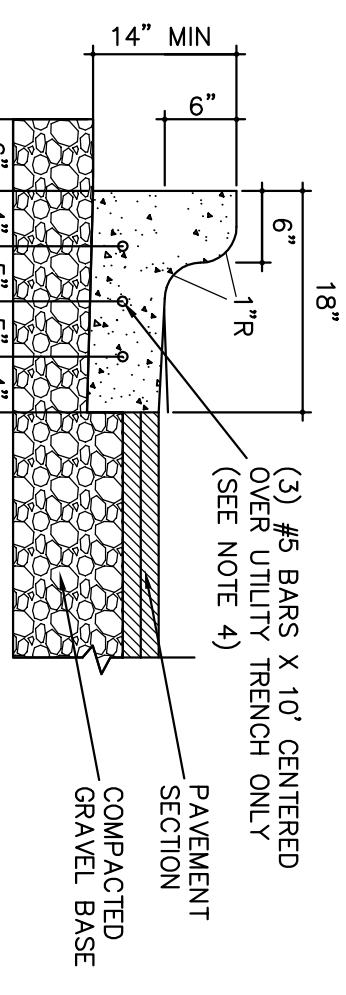
- A) WATER TREE A FEW DAYS BEFORE WORK WILL BE COMPLETED.
- B) MAKE SURE CUTS ARE DONE WITH HAND LOPS. DO NOT USE POWER EQUIPMENT LIKE BACKHOES AND BULLDOZERS.
- C) DO NOT DISTURB ROOTS MORE THAN NECESSARY.
- D) CUT ROOTS ARE TO BE COVERED WITH SOIL AS SOON AS POSSIBLE. IF ROOTS ARE TO BE EXPOSED FOR MORE THAN AN HOUR, THEY SHOULD BE COVERED WITH A DAMP CLOTH. DAMP CLOTH IS TO BE KEPT MOIST UNTIL SOIL CAN BE USED FOR PERMANENT COVER.
- E) WHEN JOB IS COMPLETED AROUND THE TREE, WATER THE TREE THOROUGHLY. WET THE TREE WITH 1-2 INCHES OF SOIL WITH THE DRIP LINE.
- F) DO NOT SCARP/REMOVE SOIL AROUND TREE TRUNK.
- G) DO NOT PLACE FILL OR STONE MATERIALS AROUND OR NEAR TREES.



5" CONCRETE SIDEWALK
4" CRUSHED AGGREGATE
BASE COURSE CA-6 (TYPE B)

A SIDEWALK SECTION

NOT TO SCALE

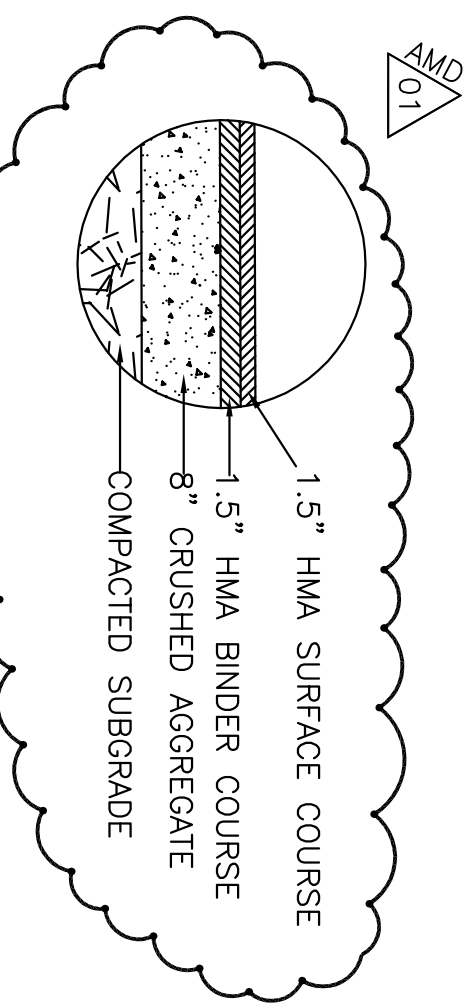


0' CENTERED
INCH ONLY
PAVEMENT
SECTION
COMPACTED
GRAVEL BASE

18" CURB & GUTTER SECTION

NOT TO

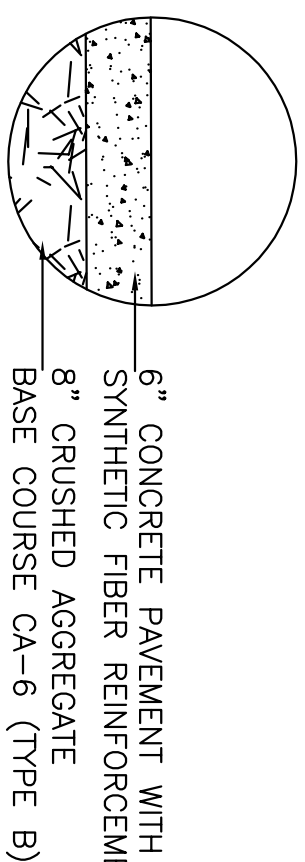
1. SLOPE PAN WAY FROM GUTTER AT 1/2" PER FOOT FOR REJECT CURB.
2. SLOPE PAN TOWARD CURB AND GUTTER AT 1/2" PER FOOT FOR ACCEPT CURB.
3. CONTRACTION JOINTS TO BE TOOLED OR SAWCUT EVERY 15' TO A MINIMUM DEPTH OF 1-1/2".
4. ADD #5 BARS X 18" AT CONNECTIONS TO EXISTING CURB & GUTTER.
5. MAINTAIN ASPHALT SURFACE 1/4" ABOVE GUTTER FLANGE.



—1.5" HMA SURFACE COURSE
—1.5" HMA BINDER COURSE
—8" CRUSHED AGGREGATE
—COMPACTED SUBGRADE

C ASPHALT PAVEMENT SECTION

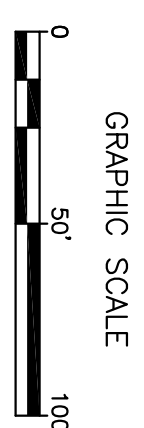
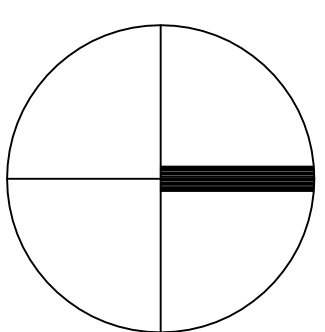
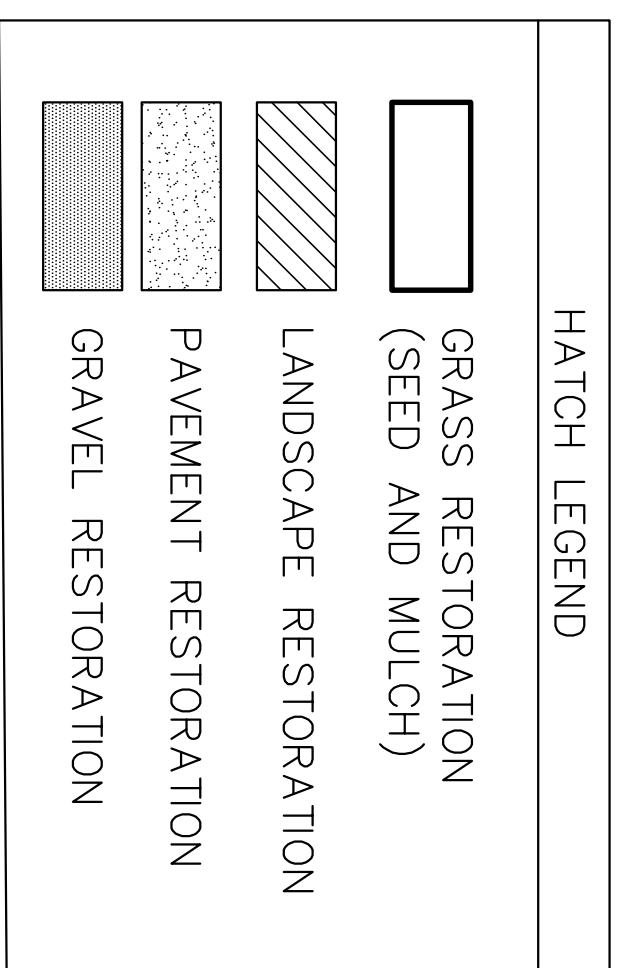
NOT TO SCALE



6" CONCRETE PAVEMENT WITH
SYNTHETIC FIBER REINFORCEMENT
8" CRUSHED AGGREGATE
BASE COURSE CA-6 (TYPE B)

CONCRETE PAVEMENT SECTION

NOT TO SCALE

[illegible]

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PHASE 2 - CONSTRUCTION DOCUMENTS

HA.
 Architecture | Engineering | Planning
 Hamed, Green and Aarasmann, Inc.
 3336 East Erie Street
 Milwaukee, WI 53210
 Telephone 414.726.0200 Facsimile 414.276.7734

Drawing Title
**PHASE 2 - WATER MAIN
RESTORATION PLAN - SOUTH**

Project Title	VA MEDICAL CENTER REPLACE EXISTING WATER MAINS PROJECT		
Building Number		Checked	Drew
		JBL	TPI
Location	HINES, ILLINOIS		


Date MAY 22, 2012

Project No.
VA#69PD-RA-1465
HGA#2606-008-00

DRAWING NO.
CU201

Dwg. ___ of ___

Office of
Facilities
Management

 Department of
Veterans Affairs

PHASE 2 - CONSTRUCTION DOCUMENTS: MAY 22, 2012